


IN THE CLAIMS:

Please cancel Claims 5, 7, 9, 11, 13, 15-17, 20, 22, 24, 27, 29, 31, 33, 36 and 38 without prejudice to or disclaimer of the subject matter recited therein.

Please amend Claims 1-4, 6, 8, 10, 12, 14, 18, 19, 21, 23, 25, 26, 28, 30, 32, 34, 35 and 37 and add new Claim 39 as follows.

1. (Currently Amended) A speech input terminal in a speech communication system comprising said speech input terminal for transmitting inputted speech data to a speech recognition apparatus through a network, and said speech recognition apparatus executing speech recognition processing for the speech data transmitted from said speech input terminal, said speech input terminal comprising:

speech input means;

 means for creating ~~information for speech recognition~~ a model based on information captured by said speech input means, the ~~information being unique to said speech input means or representing an operation state thereof~~ model being for environment adaptation for speech recognition; and

communication means for transmitting the ~~information~~ model to said speech recognition apparatus.

2. (Currently Amended) The terminal according to claim 1, wherein the ~~information is based on~~ model indicates at least one of a characteristic of said speech input means, a noise characteristic, and a speaker characteristic.

3. (Currently Amended) The terminal according to claim 1, further comprising means for ~~converting~~ quantizing the speech data ~~on the basis of the conversion condition when a data conversion condition for communication based on the information is using~~ a quantization table before transmitting the speech data to said speech recognition apparatus, the quantization table being received from said speech recognition apparatus.

4. (Currently Amended) The terminal according to claim 1, further comprising:

means for storing the information model;

means for determining whether there has been a change in the information model in ~~communication~~ each transmitting of the speech data; and

means for notifying said speech recognition apparatus of the corresponding information model, when there has been no change in the information model.

5. (Cancelled)

6. (Currently Amended) A speech recognition apparatus in a speech communication system comprising a speech input terminal for transmitting inputted speech data to said speech recognition apparatus through a network, and said speech recognition apparatus executing speech recognition processing for the speech data transmitted from said speech input terminal, said speech recognition apparatus comprising:

speech recognition means for executing speech recognition processing for the speech data transmitted from ~~the~~ said speech input terminal through the network; and

means for receiving ~~information for speech recognition~~ a model for environment adaptation for speech recognition from the said speech input terminal, the information being unique to the speech input terminal or representing an operation state thereof model being created by said speech input terminal based on information captured by said speech input terminal,

wherein said speech recognition means executes speech recognition processing on the basis of the ~~information~~ model.

D3

7. (Cancelled)

8. (Currently Amended) The apparatus according to claim 6, further comprising means for creating a an environment adaptation speech recognition model on the basis of the ~~information~~ received model.

9. (Cancelled)

10. (Currently Amended) The apparatus according to claim 8,
wherein said speech input terminal quantizes the speech data using a
quantization table before transmitting the speech data to said speech recognition apparatus, and
wherein said apparatus further comprises:

means for creating the quantization table based on the environment adaptation
speech recognition model, and

means for transmitting the quantization table to said speech input terminal ~~A~~
~~speech recognition apparatus in a speech communication system comprising a speech input~~
~~terminal for transmitting inputted speech data to said speech recognition apparatus through a~~
~~network, and said speech recognition apparatus executing speech recognition processing for the~~
~~speech data transmitted from said speech input terminal, said speech recognition apparatus~~
~~comprising:~~

~~means for receiving information for speech recognition from the speech input~~
~~terminal, the information being unique to the speech input terminal or representing an operation~~
~~state thereof;~~

~~means for determining a data conversion condition for communication on the~~
~~basis of the information; and~~

~~means for transmitting the data conversion condition to the speech input~~
~~terminal.~~

11. (Cancelled)

12. (Currently Amended) The apparatus according to claim 10, wherein
the data conversion condition is based on a quantization table created on the basis of the
information quantization table is created based on the distribution of the environment adaptation
speech recognition model.

13. (Cancelled)

14. (Currently Amended) The apparatus according to claim 6, ~~comprising~~
wherein said speech communication system comprises a plurality of speech input terminals and
said apparatus further comprises means for storing the ~~information~~ model in
correspondence with each of ~~the~~ said speech input terminals.

15-17. (Cancelled)

18. (Currently Amended) The apparatus according to claim 8, ~~further~~
comprising wherein said speech communication system comprises a plurality of speech input
terminals and
said apparatus further comprises means for storing the environment adaptation
speech recognition model in correspondence with each of ~~the~~ said speech input terminals.

19. (Currently Amended) The apparatus according to claim 10, ~~further~~
comprising wherein said speech communication system comprises a plurality of speech input
terminals and
said apparatus further comprises means for storing the quantization table data
~~conversion condition~~ in correspondence with each of ~~the~~ said speech input terminals.

20. (Cancelled)

21. (Currently Amended) A speech communication system comprising a speech input terminal for transmitting inputted speech data to a speech recognition apparatus through a network, and said speech recognition apparatus executing speech recognition processing for the speech data transmitted from said speech input terminal,

wherein said speech input terminal comprises speech input means, means for creating ~~information for speech recognition~~ a model based on information captured by said speech input means, the ~~information being unique to said speech input terminal or representing an operation state thereof~~ model being for environment adaptation for speech recognition, and communication means for transmitting the ~~information~~ model to said speech recognition apparatus, which receives the model, and

wherein said speech recognition apparatus comprises means for executing speech recognition processing on the basis of the ~~information~~ model.

22. (Cancelled)

23. (Currently Amended) ~~A speech communication system comprising a speech input terminal and a speech recognition apparatus, each of which can communicate with the other through a wire or wireless communication network~~ The speech communication system according to claim 21,

wherein said speech input terminal ~~comprises speech input means, means for creating information for speech recognition, the information being unique to said speech input terminal or representing an operation state thereof, and communication means for transmitting~~

the information to said speech recognition apparatus quantizes the speech data using a quantization table before transmitting the speech data to said speech recognition apparatus, and wherein said speech recognition apparatus further comprises means for ~~determining a data conversion condition for communication on the basis of the information~~ creating an environment adaptation speech recognition model on the basis of the received model, means for creating the quantization table based on the environment adaptation speech recognition model, and means for transmitting the ~~data conversion condition~~ quantization table to said speech input terminal.

24. (Cancelled)

25. (Currently Amended) A control method in a speech communication system comprising a speech input terminal transmitting inputted speech data to a speech recognition apparatus through a network, and said the speech recognition apparatus executing speech recognition processing for the speech data transmitted from said the speech input terminal, said method comprising:

the step of creating ~~information for speech recognition in the speech input terminal, the information being unique to the speech input terminal or representing an operation state thereof~~ a model based on information captured by the speech input terminal, the model being for environment adaptation for speech recognition; and

the step of transmitting the ~~information~~ model from the speech input terminal to the speech recognition apparatus.

26. (Currently Amended) A control method in a speech communication system comprising a speech input terminal transmitting inputted speech data to a speech recognition apparatus through a network, and ~~said the~~ the speech recognition apparatus executing speech recognition processing for the speech data transmitted from ~~said the~~ the speech input terminal, said method comprising:

the step of receiving ~~information for speech recognition in the speech recognition apparatus~~ a model for environment adaptation for speech recognition from the speech input terminal, the ~~information being unique to the speech input terminal or representing an operation state thereof~~ model being created by the speech input terminal based on information captured by the speech input terminal; and

the step of executing, in the speech recognition apparatus, speech recognition processing on the basis of the ~~information~~ model.

27. (Cancelled)

28. (Currently Amended) The method according to claim 26,
wherein the speech input terminal quantizes the speech data using a
quantization table before transmitting the speech data to the speech recognition apparatus, and
wherein said method further comprises:
the step of creating an environment adaptation speech model on the basis of the
received model;

the step of creating the quantization table based on the environment adaptation speech recognition model; and A speech communication method of executing speech recognition processing for speech data transmitted from a speech input terminal through a wire or wireless communication network comprising:-

~~the step of receiving information for speech recognition from the speech input terminal, the information being unique to the speech input terminal or representing an operation state thereof;~~

~~the step of determining a data conversion condition for communication on the basis of the information; and~~

the step of transmitting the ~~data conversion condition~~ quantization table to the speech input terminal.

D3
29. (Cancelled)

30. (Currently Amended) A control method in a speech communication system comprising a speech input terminal for transmitting inputted speech data to a speech recognition apparatus through a network, and ~~said~~ the speech recognition apparatus executing speech recognition processing for the speech data transmitted from ~~said~~ the speech input terminal, said method comprising:

the step of creating ~~information for speech recognition~~ a model in the speech input terminal based on information captured by the speech input terminal, the ~~information being~~

~~unique to the speech input terminal or representing an operation state thereof~~ model being for environment adaptation for speech recognition;

the step of transmitting the ~~information~~ model from the speech input terminal to the speech recognition apparatus, which receives the model; and

the step of executing, in the speech recognition apparatus, speech recognition processing on the basis of the ~~information~~ model.

31. (Cancelled)

32. (Currently Amended) The speech communication method according to claim 30, further comprising:

the step of creating an environment adaptation speech model on the basis of the received model in the speech recognition apparatus;

the step of creating a quantization table based on the environment adaptation speech recognition model in the speech recognition apparatus;

the step of transmitting the quantization table from the speech recognition apparatus to the speech input terminal; and

the step of quantizing the speech data using the quantization table in the speech input terminal before transmitting the speech data from the speech input terminal to the speech recognition apparatus ~~A speech communication method between a speech input terminal and a speech recognition apparatus, each of which can communicate with the other through a wire or wireless communication network comprising:-~~

~~the step of creating information for speech recognition in the speech input terminal, the information being unique to the speech input terminal or representing an operation state thereof;~~

~~the step of transmitting the information from the speech input terminal to the speech recognition apparatus;~~

~~the step of determining, in the speech recognition apparatus, a data conversion condition for communication on the basis of the information; and~~

~~the step of transmitting the data conversion condition from the speech recognition apparatus to the speech input terminal.~~

D3 33. (Cancelled)

34. (Currently Amended) A storage medium recording a program to transmit speech data from a speech input terminal to a speech recognition apparatus through a wire or wireless communication network, the program causing a computer causing a speech input terminal, in a speech communication system comprising the speech input terminal for transmitting inputted speech data to a speech recognition apparatus through a network, and the speech recognition apparatus executing speech recognition processing for the speech data transmitted from the speech input terminal, to perform the steps comprising:

creating a model based on information captured by the speech input terminal information for speech recognition, the information being unique to the speech input terminal or

~~representing an operation state thereof~~ model being for environment adaptation for speech recognition; and

transmitting the information model to the speech recognition apparatus.

35. (Currently Amended) A storage medium recording a program causing a ~~computer~~ computer, in a speech communication system comprising a speech input terminal for transmitting inputted speech data to ~~said the~~ the computer through a network, and ~~said the~~ the computer executing speech recognition processing for the speech data transmitted from ~~said the~~ the speech input ~~terminal~~ terminal, to perform the steps comprising:

receiving ~~information for speech recognition~~ a model for environment adaptation for speech recognition from the speech input terminal, the ~~information being unique to the speech input terminal or representing an operation state thereof~~ model being created by the speech input terminal based on information captured by the speech input terminal; and

executing speech recognition processing on the basis of the information model.

36. (Cancelled)

37. (Currently Amended) The storage medium according to claim 35, ~~A storage medium recording a program to execute speech recognition processing on the basis of speech data sent from a speech input terminal through a wire or wireless communication network, the program causing a computer to perform the steps comprising:~~

receiving information for speech recognition from the speech input terminal,
the information being unique to the speech input terminal or representing an operation state
thereof;

determining a data conversion condition for communication on the basis of the
information; and

wherein the speech input terminal quantizes the speech data using a
quantization table before transmitting the speech data to the computer, and

wherein the steps further comprise:

creating an environment adaptation speech model on the basis of the received
model;

creating the quantization table based on the environment adaptation speech
recognition model; and

transmitting the ~~data conversion condition~~ quantization table to the speech
input terminal.

38. (Cancelled)

39. (New) The terminal according to claim 1, wherein the model is an
average or variance of the captured information.